L Number	Hits	Search Text	DB	Time stamp
1	0	WO-0035407-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 16:19
2	1	WO-200035407-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 16:51
5	3	461061.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 16:52
6	88	McCrae-$.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 16:52
7	3	McCrae-$.in. AND kininogen	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 16:52
8	64	kininogen AND 514/12.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 17:36
-	593	kininogen	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 17:36
-	27	mazar-a$.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 10:47
-	4	mazar-a$.in. AND kininogen	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 10:48
-	36	donate-f$.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 10:49
-	8	kininogen SAME "domain 3"	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 10:50
-	0	kininogen AND diagnostic ADJ label	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 14:11
-	63	diagnostic ADJ label	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 14:11
-	8	diagnostic ADJ label SAME peptide	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 14:19
-	2	WO-9967284-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/10/20 16:19

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 NEWS 11  SEP 01   New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
 NEWS 12  SEP 14   STN Patent Forum to be held October 13, 2004, in Iselin, NJ
 NEWS 13  SEP 27   STANDARDS will no longer be available on STN
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INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE,
      AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS,
      BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB,
      CROPU, DDFB, DDFU, DGENE, DISSABS, ...' ENTERED AT 13:05:19 ON 20 OCT 2004

75 FILES IN THE FILE LIST IN STNINDEX

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=> s kininogen
         15   FILE ADISCTI
          3   FILE ADISINSIGHT
          1   FILE ADISNEWS
         39   FILE AGRICOLA
         24   FILE ANABSTR
          2   FILE ANTE
         14   FILE AQUASCI
         20   FILE BIOBUSINESS
          2   FILE BIOCOMMERCE
         24   FILE BIOENG
       2753   FILE BIOSIS
         42   FILE BIOTECHABS
         42   FILE BIOTECHDS
        729   FILE BIOTECHNO
         80   FILE CABA
        203   FILE CANCERLIT
       2839   FILE CAPLUS
          1   FILE CEABA-VTB
          2   FILE CIN
         86   FILE CONFSCI
          2   FILE CROPU
        282   FILE DDFB
        165   FILE DDFU
        586   FILE DGENE
         58   FILE DISSABS
        282   FILE DRUGB
        209   FILE DRUGU
         11   FILE EMBAL
       2141   FILE EMBASE
        513   FILE ESBIOBASE
         21   FILE FEDRIP
          5   FILE FROSTI
          4   FILE FSTA
        352   FILE GENBANK
          1   FILE HEALSAFE
         40   FILE IFIPAT
        273   FILE JICST-EPLUS
          2   FILE KOSMET
        385   FILE LIFESCI
       2691   FILE MEDLINE
          4   FILE NIOSHTIC
         19   FILE NTIS
          5   FILE OCEAN
  54 FILES SEARCHED...
        800   FILE PASCAL
          3   FILE PHAR
          1   FILE PHARMAML
          1   FILE PHIN
         10   FILE PROMT
          4   FILE PROUSDDR
       2065   FILE SCISEARCH
          1   FILE SYNTHLINE
        883   FILE TOXCENTER
        614   FILE USPATFULL
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          28   FILE USPAT2
           2   FILE VETB
           1   FILE VETU
          66   FILE WPIDS
          66   FILE WPINDEX

  58 FILES HAVE ONE OR MORE ANSWERS,    75 FILES SEARCHED IN STNINDEX

L1    QUE KININOGEN

=> d rank
F1         2839   CAPLUS
F2         2753   BIOSIS
F3         2691   MEDLINE
F4         2141   EMBASE
F5         2065   SCISEARCH
F6          883   TOXCENTER
F7          800   PASCAL
F8          729   BIOTECHNO
F9          614   USPATFULL
F10         586   DGENE
F11         513   ESBIOBASE
F12         385   LIFESCI
F13         352   GENBANK
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F15         282   DRUGB
F16         273   JICST-EPLUS
F17         209   DRUGU
F18         203   CANCERLIT
F19         165   DDFU
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F22          66   WPIDS
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F24          58   DISSABS
F25          42   BIOTECHABS
F26          42   BIOTECHDS
F27          40   IFIPAT
F28          39   AGRICOLA
F29          28   USPAT2
F30          24   ANABSTR
F31          24   BIOENG
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F34          19   NTIS
F35          15   ADISCTI
F36          14   AQUASCI
F37          11   EMBAL
F38          10   PROMT
F39           5   FROSTI
F40           5   OCEAN
F41           4   FSTA
F42           4   NIOSHTIC
F43           4   PROUSDDR
F44           3   ADISINSIGHT
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F46           2   ANTE
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F53           1   CEABA-VTB
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F55             1   PHARMAML
F56             1   PHIN
F57             1   SYNTHLINE
F58             1   VETU


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=> s kininogen
L2          16385 KININOGEN

=> s domain 3
  10 FILES SEARCHED...
L3           5572 DOMAIN 3

=> s l2 and l3
L4            328 L2 AND L3

=> therapeutic
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L5     4160377 THERAPEUTIC

=> s l4 and l5
L6           8 L4 AND L5

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L7           2 DUP REM L6 (6 DUPLICATES REMOVED)

=> d l7 ibib all 1-2

L7   ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2004 ACS on STN  DUPLICATE 1
ACCESSION NUMBER:         2003:147194  CAPLUS
DOCUMENT NUMBER:          139:78187
TITLE:                    Potential pharmacological applications of the
                          antithrombotic molecule high-molecular-weight
                          kininogen
AUTHOR(S):                Chavakis, Triantafyllos; Preissner, Klaus T.
CORPORATE SOURCE:         Department of Medicine I, University Hospital,
                          Heidelberg, D-69115, Germany
SOURCE:                   Current Vascular Pharmacology (2003), 1(1), 59-64
                          CODEN: CVPUAY; ISSN: 1570-1611
PUBLISHER:                Bentham Science Publishers Ltd.
DOCUMENT TYPE:            Journal; General Review
LANGUAGE:                 English
AN   2003:147194  CAPLUS
DN   139:78187
ED   Entered STN:  27 Feb 2003
TI   Potential pharmacological applications of the antithrombotic molecule
     high-molecular-weight kininogen
AU   Chavakis, Triantafyllos; Preissner, Klaus T.
CS   Department of Medicine I, University Hospital, Heidelberg, D-69115,
     Germany
SO   Current Vascular Pharmacology (2003), 1(1), 59-64
     CODEN: CVPUAY; ISSN: 1570-1611
PB   Bentham Science Publishers Ltd.
DT   Journal; General Review
LA   English
CC   1-0 (Pharmacology)
AB   A review. During the past 20 yr, the proteins of the "contact system",
     namely, high-mol.-weight kininogen (HK), kallikrein and Factor XII,
     have been shown to have very little direct impact on hemostasis despite
     their initial description as initiators of the "intrinsic system". In
     fact these proteins have rather anticoagulant and profibrinolytic
     properties. This review summarizes the known antithrombotic properties of
     HK, demonstrating its potential application for novel therapeutic
     interventions against thromboembolic complications. In particular, HK can
     inhibit platelet aggregation, as: (i) its domain 5 interferes with ligand
     binding of αIIbβ3-integrins, (ii) its domain
     3 blocks thrombin-dependent platelet aggregation by interfering
     with thrombin binding to the glycoprotein Ib-IX-V complex on platelets,
     (iii) bradykinin, which is formed upon cleavage of HK, blocks
     thrombin-induced platelet aggregation, and (iv) HK domain 2 can inhibit
     the function of platelet calpain. Moreover, HK may have profibrinolytic
     actions as it can: (i) inhibit plasminogen activator inhibitor-1 function
     and (ii) potentiate prourokinase activation with subsequent pericellular
     plasmin formation. Indeed, patients lacking circulating HK are at
     increased risk for thrombosis, and a prothrombotic phenotype was reported
     for kininogen-deficient rats. All these observations render
     kininogen antithrombotic, rather than prothrombotic, and ongoing
     research aims to develop novel kininogen-related antithrombotic
     therapies.
```

ST review high mol wt **kininogen** antithrombotic

IT **Kininogens**
RL: PAC (Pharmacological activity); PRP (Properties); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(high-mol.-weight; potential pharmacol. applications of the antithrombotic mol. high-mol.-weight **kininogen**)

IT Anticoagulants
Human
(potential pharmacol. applications of the antithrombotic mol. high-mol.-weight **kininogen**)

RE.CNT 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD

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L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN DUPLICATE 2

ACCESSION NUMBER: 2002:246441 CAPLUS
DOCUMENT NUMBER: 137:119230
TITLE: Inhibition of angiogenesis by two-chain high molecular weight **kininogen** (HKa) and **kininogen**-derived polypeptides
AUTHOR(S): Zhang, Jing-Chuan; Qi, Xiaoping; Juarez, Jose; Plunkett, Marian; Donate, Fernando; Sakthivel, Ramasamy; Mazar, Andrew P.; McCrae, Keith R.
CORPORATE SOURCE: Department of Medicine, Case Western Reserve University School of Medicine and University Hospitals of Cleveland, Cleveland, OH, 44106-4937, USA
SOURCE: Canadian Journal of Physiology and Pharmacology (2002), 80(2), 85-90
CODEN: CJPPA3; ISSN: 0008-4212
PUBLISHER: National Research Council of Canada
DOCUMENT TYPE: Journal
LANGUAGE: English

AN 2002:246441 CAPLUS
DN 137:119230
ED Entered STN: 02 Apr 2002
TI Inhibition of angiogenesis by two-chain high molecular weight **kininogen** (HKa) and **kininogen**-derived polypeptides
AU Zhang, Jing-Chuan; Qi, Xiaoping; Juarez, Jose; Plunkett, Marian; Donate, Fernando; Sakthivel, Ramasamy; Mazar, Andrew P.; McCrae, Keith R.
CS Department of Medicine, Case Western Reserve University School of Medicine and University Hospitals of Cleveland, Cleveland, OH, 44106-4937, USA
SO Canadian Journal of Physiology and Pharmacology (2002), 80(2), 85-90
CODEN: CJPPA3; ISSN: 0008-4212
PB National Research Council of Canada
DT Journal
LA English
CC 1-6 (Pharmacology)
AB We recently reported that the two-chain form of human high mol. weight **kininogen** (HKa) inhibits angiogenesis by inducing endothelial cell apoptosis. This property appears to be primarily conferred by HKa domain 5 (HKa D5). In this manuscript, we further characterize the activity of these polypeptides toward proliferating endothelial cells, as well as their in vivo anti-angiogenic activity in the chick chorioallantoic membrane (CAM). We also demonstrate that short peptides derived from endothelial cell binding regions in HKa **domains 3** and 5 inhibit endothelial cell proliferation and induce endothelial cell apoptosis. Like HKa and HKa D5, peptides derived from the latter domain induce endothelial cell apoptosis in a Zn2+-dependent manner, while those derived from **domain 3** function independently of Zn2+. The implications of these findings to the regulation of angiogenesis and development of anti-angiogenic **therapeutics** are discussed.
ST angiogenesis inhibitor **kininogen** polypeptide human apoptosis
IT Blood vessel
(endothelium; inhibition of angiogenesis by two-chain high mol. weight **kininogen** (HKa) and **kininogen**-derived polypeptides)
IT **Kininogens**
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(high-mol.-weight; inhibition of angiogenesis by two-chain high mol. weight **kininogen** (HKa) and **kininogen**-derived polypeptides)
IT Angiogenesis inhibitors
Apoptosis
Drug design

Human
(inhibition of angiogenesis by two-chain high mol. weight **kininogen** (HKa) and **kininogen**-derived polypeptides)
IT Vascular endothelial growth factor receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibition of angiogenesis by two-chain high mol. weight **kininogen** (HKa) and **kininogen**-derived polypeptides)
IT Fibroblast growth factor receptors
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(type 1; inhibition of angiogenesis by two-chain high mol. weight **kininogen** (HKa) and **kininogen**-derived polypeptides)
IT 7440-66-6, Zinc, biological studies
RL: BSU (Biological study, unclassified); BIOL (Biological study)
(inhibition of angiogenesis by two-chain high mol. weight **kininogen** (HKa) and **kininogen**-derived polypeptides)
RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD
RE
(1) Asakura, S; J Cell Biol 1992, V116, P465 CAPLUS
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SEA KININOGEN

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                15   FILE ADISCTI
                 3   FILE ADISINSIGHT
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                 2   FILE CIN
                86   FILE CONFSCI
                 2   FILE CROPU
               282   FILE DDFB
               165   FILE DDFU
               586   FILE DGENE
                58   FILE DISSABS
               282   FILE DRUGB
               209   FILE DRUGU
                11   FILE EMBAL
              2141   FILE EMBASE
               513   FILE ESBIOBASE
                21   FILE FEDRIP
                 5   FILE FROSTI
                 4   FILE FSTA
               352   FILE GENBANK
                 1   FILE HEALSAFE
                40   FILE IFIPAT
               273   FILE JICST-EPLUS
                 2   FILE KOSMET
               385   FILE LIFESCI
              2691   FILE MEDLINE
                 4   FILE NIOSHTIC
                19   FILE NTIS
                 5   FILE OCEAN
               800   FILE PASCAL
                 3   FILE PHAR
                 1   FILE PHARMAML
                 1   FILE PHIN
                10   FILE PROMT
                 4   FILE PROUSDDR
              2065   FILE SCISEARCH
                 1   FILE SYNTHLINE
               883   FILE TOXCENTER
               614   FILE USPATFULL
                28   FILE USPAT2
                 2   FILE VETB
                 1   FILE VETU
                66   FILE WPIDS
                66   FILE WPINDEX
L1                QUE KINININOGEN
                  ---------

     FILE 'CAPLUS, BIOSIS, MEDLINE, EMBASE, SCISEARCH, TOXCENTER, PASCAL,
     BIOTECHNO, DGENE, ESBIOBASE, LIFESCI' ENTERED AT 13:06:42 ON 20 OCT 2004
L2          16385 S KININOGEN
L3           5572 S DOMAIN 3
```

```
L4           328 S L2 AND L3
L5       4160377 S THERAPEUTIC
L6             8 S L4 AND L5
L7             2 DUP REM L6 (6 DUPLICATES REMOVED)

     FILE 'STNGUIDE' ENTERED AT 13:10:18 ON 20 OCT 2004

=>

---Logging off of STN---


=>
Executing the logoff script...


=> LOG Y

COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                      ENTRY    SESSION
FULL ESTIMATED COST                                    0.24      25.44

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                      ENTRY    SESSION
CA SUBSCRIBER PRICE                                    0.00      -1.40

STN INTERNATIONAL LOGOFF AT 13:12:43 ON 20 OCT 2004
```